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## EUROPEAN PATENT APPLICATION

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20.09.95 Bulletin 95/38⑳ Applicant: KABUSHIKI KAISHA TOSHIBA  
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㉔ Toner pack and development device for use in an electrophotographic apparatus.

⑤ A toner pack for use in an electrophotographic apparatus is formed of a polypropylene resin containing 30 to 50 wt% calcium carbonate filler. This resin has a high deformability, and generates a small amount of heat at the time of incineration thereof.

Thus, the used toner pack can be disposed of together with flammable products made of paper and/or wood. Further, at the time of disposal, it is possible to fold the used toner pack to reduce its size.

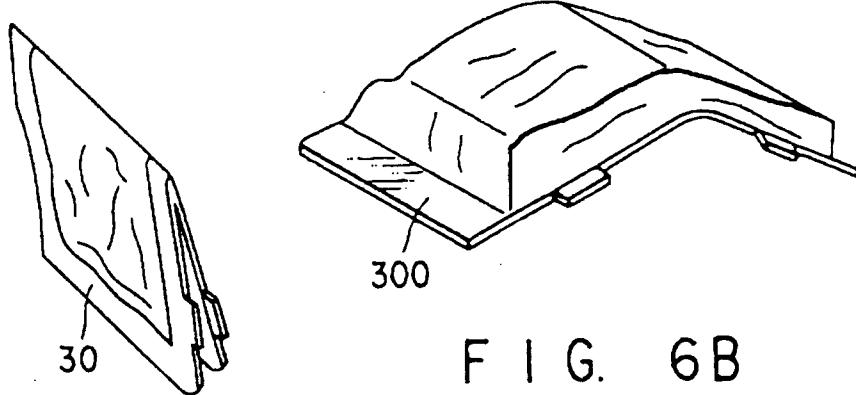


FIG. 6A

FIG. 6B



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EUROPEAN SEARCH REPORT

Application Number  
EP 93 11 1773

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
Y	PATENT ABSTRACTS OF JAPAN vol. 008 no. 030 (C-209) ,8 February 1984 & JP-A-58 191726 (TOUKAI GOUSEI MOKUZAI KK) 9 November 1983, * abstract * ---	1-4, 12, 13	G03G15/08
Y	PATENT ABSTRACTS OF JAPAN vol. 016 no. 500 (P-1437) ,15 October 1992 & JP-A-04 180073 (CANON INC) 26 June 1992, * abstract * ---	1-4, 12, 13	
A	PATENT ABSTRACTS OF JAPAN vol. 015 no. 198 (P-1204) ,22 May 1991 & JP-A-03 048880 (CANON INC) 1 March 1991, * abstract * ---	1, 12, 13	
A	PATENT ABSTRACTS OF JAPAN vol. 012 no. 148 (C-493) ,7 May 1988 & JP-A-62 265332 (MITSUI TOATSU CHEM INC) 18 November 1987, * abstract * ---	1-4, 12	TECHNICAL FIELDS SEARCHED (Int.Cl.5)
A	PATENT ABSTRACTS OF JAPAN vol. 005 no. 045 (C-048) ,25 March 1981 & JP-A-55 165933 (KAO CORP) 24 December 1980, * abstract * ---	1-5, 12	G03G
A	US-A-4 062 385 (KATUSHA JEROME MARK ET AL) 13 December 1977 * column 2, line 41 - column 2, line 64 * ---	1, 7, 12, 13 -/-	

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	1 August 1995	Cigoj, P
<b>CATEGORY OF CITED DOCUMENTS</b>		
X : particularly relevant if taken alone	T : theory or principle underlying the invention	
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date	
A : technological background	D : document cited in the application	
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EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)
A	PATENT ABSTRACTS OF JAPAN vol. 010 no. 380 (P-528) ,19 December 1986 & JP-A-61 169858 (FUJI XEROX CO LTD) 31 July 1986, * abstract *---	1,12-14	
X	PATENT ABSTRACTS OF JAPAN vol. 007 no. 087 (P-190) ,9 April 1983 & JP-A-58 014865 (FUJI XEROX KK) 27 January 1983, * abstract *---	8,9	
A	PATENT ABSTRACTS OF JAPAN vol. 013 no. 428 (P-936) ,25 September 1989 & JP-A-01 161274 (TOSHIBA CORP;OTHERS: 01) 23 June 1989, * abstract *---	8,9	
A	PATENT ABSTRACTS OF JAPAN vol. 014 no. 337 (P-1079) ,20 July 1990 & JP-A-02 115876 (TOKYO ELECTRIC CO LTD) 27 April 1990, * abstract *---	8,9	TECHNICAL FIELDS SEARCHED (Int.Cl.)
A	EP-A-0 387 986 (CANON KK) 19 September 1990 * column 4, line 23 - column 6, line 23; figures 1,2 *---	8,9	
X	PATENT ABSTRACTS OF JAPAN vol. 009 no. 020 (P-330) ,26 January 1985 & JP-A-59 166974 (FUJI XEROX KK) 20 September 1984, * abstract *---	10,11	
		-/-	
The present search report has been drawn up for all claims			
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THE HAGUE	1 August 1995		Cigoj, P
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A : technological background	D : document cited in the application		
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## EUROPEAN SEARCH REPORT

**Application Number**

## **DOCUMENTS CONSIDERED TO BE RELEVANT**

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.5)		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
A	EP-A-0 418 824 (TOKYO SHIBAURA ELECTRIC CO) 27 March 1991 * abstract; figure 7 * -----	10			
TECHNICAL FIELDS SEARCHED (Int.Cl.5)					
The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
THE HAGUE	1 August 1995	Cigoj, P			
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### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

- See sheet B -

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respects of which search fees have been paid, namely claims:
- None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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EP 93 11 1773 -B-

#### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-7,12-14: Polyolefin-based resin container for electrophotographic apparatus
2. Claims 8,9: Structure of toner pack sheet seal
3. Claims 10,11: Urging means for urging a toner pack toward a development apparatus